[Continued on next page]

(54) Title: METHOD FOR DISCARDING ALL SEGMENTS CORRESPONDING TO THE SAME PACKET IN A BUFFER
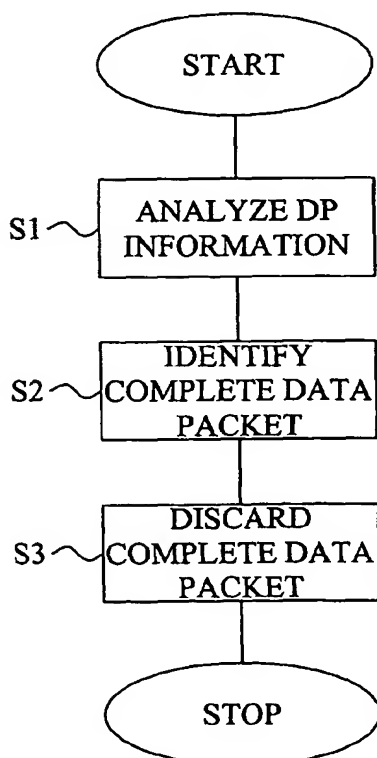
(57) Abstract: The invention relates to management of data packets and buffers comprising segments of data packets in a mobile communication system (1). Information associated with data packet segments is analyzed by a Base Station System (BSS) (100) housing a data buffer (120). Based on this information analysis, the BSS (100) can identify those segments (P(FIRST) - P(LAST)) in the buffer (120) that constitutes a complete data packet. Once identified, the segments can be discarded from the buffer (120). The information can include size information (S(k), S(k+1)), whereby the analysis comprises pairwise comparing the size (S(k)) of a current segment (P(k)) with the size (S(k+1)) of a next consecutive segment (P(k+1)). This size comparison enables identification of a first segment (P(FIRST)) and a last segment (P(LAST)) of the complete data packet. The information could also, or alternatively, include a notification provided in the header of the segment. This notification identifies the associated segment as the first or last segment of the data packet or an intermediate segment.

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Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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